

## ABSTRACT

A method of selecting patients highly responsive to WT1 vaccine and a therapeutic method for treating cancer involving said method of selection are provided, which method of selecting patients highly responsive to WT1 vaccine comprises: (a) isolating a biological sample containing CTL precursor cells from a test subject; (b) measuring the existence frequency or amount of WT1-specific CTL precursor cells in the biological sample of (a); and (c) deciding whether or not the measured value of (b) is high by comparison with that of healthy subject, and evaluating the responsiveness to WT1 vaccine.